

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
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10602,777

June 25, 2003

Scott A. MOSKOWITZ

2132

Laurel L. LASHLEY

80391.0003

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Number-Kind Code ² (if known)					
/I.O./		US-4,939,515	07/03/1990	Adelson	
		US-5,161,210	11/03/1992	Druyvesteyn, et.al.	
		US-5,450,490	09/12/1995	Jensen, et.al.	
		US-5,530,751	06/25/1996	Morris	
		US-5,579,124	11/26/1996	Aijala, et.al.	
		US-5,721,788	02/24/1998	Powell, et.al.	
		US-5,828,325	10/27/1998	Włóć, Wicz, et.al.	
		US-5,912,972	06/15/1999	Barton	
		US-5,930,377	07/27/1999	Powell, et.al.	
		US-5,583,488	12/10/1996	Sala, et.al.	
		US-5,748,783	05/05/1998	Rhoads	
		US-6,330,672	12/11/2001	Shur	
		US-5,243,423	09/07/1993	DeJean, et.al.	
		US-5,319,735	06/07/1994	Preuss, et.al.	
		US-5,113,437	05/12/1992	Best, et.al.	
		US-4,876,617	10/24/1989	Best, et.al.	
		US-5,379,345	01/03/1995	Greenberg	
		US-5,646,997	07/08/1997	Barton	
		US-4,672,605	06/09/1987	Hustig, et.al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
Country Code ³ Number ⁴ Kind Code ⁵ (if known)					
		European Patent No. EP0565947A1	10/20/1993	Kuusama, Juha	
		WO 95/14289	05/26/1995	Rhoads, Geoffrey	
		European Patent No. 0581317A2	02/02/1994	Powell, Robert, et.al.	
		European Patent No. 0372601A1	06/13/1990	Druyvesteyn, Wm, et.al.	
		W098/37513	08/27/1998	Biggar, Michael, et.al.	
		European Patent No. 0651554A	05/03/1995	Eastman Kodak Co.	

Examiner Signature	/Izunna Okeke/	Date Considered	11/17/2008

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Application Number	10/602,777
Filing Date	June 25, 2003
First Named Inventor	Scott A. MOSKOWITZ
Art Unit	2132
Examiner Name	Laurel L. LASHLEY
Attorney Docket Number	80391.0003

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Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
I.O.		US-4,748,668	05/31/1998	Shamir, et al.
		US-4,789,928	12/06/1988	Fujisaki
		US-4,908,873	03/13/1990	Philibert, et al.
		US-4,980,782	12/25/1990	Ginkel
		US-5,073,925	12/17/1991	Nagata, et al.
		US-5,243,515	09/07/1993	Lee
		US-5,287,407	02/15/1994	Holmes
		US-5,428,606	06/27/1995	Moskowitz
		US-5,365,586	11/15/1994	Indeck, et al.
		US-5,394,324	02/28/1995	Clearwater
		US-5,408,505	04/18/1995	Indeck, et al.
		US-5,412,718	05/02/1995	Narasimhalv, et al.
		US-5,487,168	01/23/1996	Geiner, et al.
		US-5,493,677	02/20/1996	Balogh, et al.
		US-5,530,759	06/25/1996	Braudaway, et al.
		US-5,606,609	02/25/1997	Houser, et al.
		US-5,613,004	03/18/1997	Cooperman, et al.
		US-5,617,119	04/01/1997	Briggs, et al.
		US-		

FOREIGN PATENT DOCUMENTS

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		WO 99/62044	12/02/1999	Handel, Theodore et al.		
		WIPO 96/29795	09/26/1996	Micali		
		WIPO 97/24833	07/10/1997	Micali		
		EP 0649261	04/19/1995	Enari		
V		NL 100523	09/1998			

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/I.O./	US-4,528,588		07/09/1985	Loberg
	US-5,832,119		11/03/1998	Rhoads
	US-5,859,920		01/12/1999	Daly et al
	US-4,979,210		12/18/1990	Nagata et al
	US-5,774,452		06/30/1998	Wolosewicz
	US-4,405,829		09/20/1983	Rivest et al
	US-6,330,335		12/11/2001	Rhoads
	US-3,986,624		10/19/1976	Cates Jr. et al
	US-5,363,448		11/08/1994	Koopman et al
	US-5,568,570		10/22/1996	Rabbani
	US-5,636,292		06/03/1997	Rhoads
	US-4,972,471		11/20/1990	Gross et al.
	US-5,893,067		04/06/1999	Bender et al.
	US-5,689,587		11/18/1997	Bender et al.
	US-3,984,624		10/05/1976	Waggener
	US-4,038,596		07/26/1977	Lee
	US-4,200,770		04/29/1980	Hellman, et al.
	US-4,218,582		08/19/1980	Hellman, et al.
	US-4,424,414		01/03/1984	Hellman, et al.

FOREIGN PATENT DOCUMENTS				
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		WO 9744736	11/27/1997	Wehrenberg
		WO 9952271	10/14/1999	Moskowitz
		WO 9963443	12/09/1999	Ho, Anthony Tung Shuen

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II.OJ	US-5,640,569		06/17/1997	Miller, et.al.	
	US-5,659,726		08/19/1997	Sandford,II, et.al	
	US-5,664,018		09/02/1997	Leighton	
	US-5,687,236		11/11/1997	Moskowitz, et.al.	
	US-5,734,752		03/31/1998	Knox	
	US-5,745,569		04/28/1998	Moskowitz, et.al	
	US-5,506,795		04/09/1996	Yamakawa	
	US-5,680,462		10/21/1997	Miller, et.al	
	US-5,696,828		12/09/1997	Koopman, Jr.	
	US-5,740,244		04/14/1998	Indeck, et.al.	
	US-5,751,811		05/12/1998	Koopman, Jr.	
	US-5,757,923		05/26/1998	Koopman, Jr.	
	US-5,889,868		03/30/1999	Moskowitz, et.al.	
	US-6,208,745		03/27/2001	Florenio, et.al.	
	US-6,285,775		09/04/2001	Wu, et.al.	
	US-6,385,329		05/07/2002	Sharma, et.al	
	US-6,530,021		03/04/2003	Epstein, et.al.	
	US-6,425,081		07/23/2002	Wamura	
	US-				

FOREIGN PATENT DOCUMENTS

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/I.O./	US-6,522,769		02/18/2003	Rhoads, et.al.	
	US-2005/0160271		07/21/2005	Brundage, et.al	
	US-6,665,489		12/16/2003	Collart	
	US-2004/0128514		07/01/2004	Rhoads	
	US-2004/0037449		02/26/2004	Davis, et.al.	
	US-6,823,455		11/23/2004	Macy, et.al.	
	US-2003/0133702		07/17/2003	Collart	
	US-6,668,246		12/23/2003	Yeung, et.al.	
	US-6,405,203		06/11/2002	Collart	
	US-6,141,754		10/31/2000	Choy	
	US-6,493,457		12/10/2002	Quackenbush	
	US-5,629,980		05/13/1997	Stefik, et.al.	
	US-5,943,422		08/24/1999	Van Wie, et.al.	
	US-5,636,276		06/03/1997	Brugger	
	US-5,341,429		08/23/1994	Stringer, et.al.	
	US-6,754,822		06/22/2004	Zhao	
	US-6,131,162		10/10/2000	Yoshiura et.al.	
	US-7,058,570		06/06/2006	Yu, et.al.	
	US-				

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		US-6,415,041	07/02/2002	Oami, et.al.	
		US-6,141,753	10/31/2000	Zhao, et.al.	
		US-2002/0097873	07/25/2002	Petrovic	
		US-6,785,815	08/31/2004	Serret-Avila, et.al.	
		US-6,523,113	02/18/2003	Wehrenberg	
		US-6,233,347	05/15/2001	Chen, et.al.	
		US-6,233,684	05/15/2001	Steflik, et.al.	
		US-2006/0013395	01/19/2006	Brundage, et.al.	
		US-7,043,050	05/09/2006	Kuval	
		US-5,809,160	09/15/1998	Powell, et.al.	
		US-6,272,634	08/07/2001	Tewfik, et.al.	
		US-6,282,650	08/28/2001	Davis	
		US-6,557,103	04/29/2003	Boncelet, Jr., et.al.	
		US-2003/0126445	07/03/2003	Wehrenberg	
		US-6,978,370	12/20/2005	Kocher	
		US-2006/0005029	01/05/2006	Petrovic, et.al.	
V		US-6,278,791	08/21/2001	Honsinger, et.al.	
		US-			

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	US-5,809,139	09/15/1998	Grirod, et.al.		
	US-5,848,155	12/08/1998	Cox		
	US-5,915,027	06/22/1999	Cox, et.al		
	US-5,940,134	08/17/1999	Wirtz		
	US-5,991,426	11/23/1999	Cox, et.al.		
	US-6,069,914	05/30/2000	Cox		
	US-5,943,422	08/24/1999	Van Wie, et.al.		
	US-6,539,475	03/25/2003	Cox, et.al.		
	US-6,310,962	10/30/2001	shung, et.al.		
	US-6,154,571	11/28/2000	Cox, et.al.		
	US-4,969,204	11/06/1990	Jones, et.al.		
	US-6,687,683	02/03/2004	Harada, et.al.		
	US-6,373,892	04/16/2002	Chien, et.al.		
	US-5,870,474	02/09/1999	Wasilewski, et.al.		
	US-5,418,713	05/23/1995	Allen		
	US-6,078,664	06/20/2000	Moskowitz, et.al.		
V	US-6,009,176	12/28/1999	Gennaro, et.al.		
	US-6,081,587	06/27/2000	Hoffstein, et.al.		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	/Izunna Okeke/	Date Considered	11/17/2008

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10/602,777
June 25, 2003
Scott A. MOSKOWITZ
2132
Laurel L. LASHLEY
80391.0003

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/I.O.J		US-6,598,162	07/22/2003	Moskowitz	
		US-6,275,988	08/14/2001	Nagashima, et al.	
		US-6,051,029	04/18/2000	Paterson, et al.	
		US-5,917,915	06/29/1999	Hirose	
		US-6,775,772	08/10/2004	Binding, et al.	
		US-6,668,246	12/23/2003	Yeung, et al.	
		US-6,351,765	02/26/2002	Pietropao, et al.	
		US-6,049,838	04/11/2000	Miller, et al.	
		US-5,398,285	03/14/1995	Borgelt, et al.	
		US-5,737,733	04/07/1998	Eller	
		US-2002/0103883	08/01/2002	Haverstock, et al.	
		US-5,673,316	09/30/1997	Auerbach, et al.	
		US-6,647,424	11/11/2003	Pearson, et al.	
		US-6,977,894	12/20/2005	Achilles, et al.	
		US-6,453,252	09/17/2002	Laroche	
		US-5,077,665	12/31/1991	Silverman, et al.	
		US-5,136,581	08/04/1992	Muehrcke	
		US-5,341,477	08/23/1994	Pitkin, et al.	
		US-5,581,703	12/03/1996	Baugher, et al.	

FOREIGN PATENT DOCUMENTS

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Number-Kind Code ² (if known)					
/I.O./	US-5,548,579	08/20/1996	Lebrun, et al.		
	US-5,905,975	05/18/1999	Ausubel		
	US-6,457,058	09/24/2002	Ullum et al.		
	US-6,381,618	04/30/2002	Jones et al.		
	US-2002/0026343	02/28/2002	Duenke		
	US-6,230,268	05/08/2001	Miwa et al.		
	US-6,199,058	03/06/2001	Wong et al.		
	US-5,920,900	07/06/1999	Poole et al.		
	US-5,884,033	03/16/1999	Duvall et al.		
	US-5,478,990	12/26/1995	Montanari et al.		
	US-6,430,302	08/06/2002	Rhoads		
	US-6,725,372	04/20/2004	Lewis et al.		
	US-6,606,393	08/12/2003	Xie et al.		
	US-6,584,125	06/24/2003	Katto		
	US-6,442,283	08/27/2002	Tewfik et al.		
	US-6,377,625	04/23/2002	Kim		
	US-6,282,300	08/28/2001	Blöom et al.		
	US-6,205,249	03/20/2001	Moskowitz		
	US-6,029,126	02/22/2000	Malvar		

FOREIGN PATENT DOCUMENTS

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June 25, 2003

Scott A. MOSKOWITZ

2132

Laurel L. LASHLEY

80391.0003

Application Number	10/602,777
Filing Date	June 25, 2003
First Named Inventor	Scott A. MOSKOWITZ
Art Unit	2132
Examiner Name	Laurel L. LASHLEY
Attorney Docket Number	80391.0003

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		Number-Kind Code ² * Kind Code ³ (if known)			
/I.O./	US-5,754,697		05/19/1998	Fu et al.	
	US-5,479,210		12/26/1995	Cawley et al.	
	US-3,947,825		03/30/1976	Cassada	
	US-5,903,721		05/11/1999	Sixtus	
	US-5,790,677		08/04/1998	Fox et al.	
	US-5,243,515		09/07/1993	Clearwater	
	US-4,339,134		07/13/1982	Macheel	
	US-4,827,508		05/02/1989	Shear	
	US-4,896,275		01/23/1990	Jackson	
	US-4,977,594		12/11/1990	Shear	
	US-5,050,213		09/17/1991	Shear	
	US-5,369,707		11/29/1994	Follendore, III	
	US-5,406,627		04/11/1995	Thompson et al.	
	US-5,410,598		04/25/1995	Shear	
	US-5,469,536		11/21/1995	Blank	
	US-5,497,419		03/05/1996	Hill	
	US-5,513,261		04/30/1996	Maher	
	US-5,530,739		06/25/1996	Okada	
	US-5,598,470		01/28/1997	Cooper et al.	

FOREIGN PATENT DOCUMENTS

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Application Number	10/602,777
Filing Date	June 25, 2003
First Named Inventor	Scott A. MOSKOWITZ
Art Unit	2132
Examiner Name	Laurel L. LASHLEY
Attorney Docket Number	80391.0003

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/I.O./		US-5,625,690	04/29/1997	Michel et al.
		US-5,633,932	05/27/1997	Davis et al.
		US-5,719,937	02/17/1998	Warren et al.
		US-5,737,416	04/07/1998	Cooper et al.
		US-5,765,152	06/09/1998	Erickson
		US-5,799,083	08/25/1998	Brothers et al.
		US-5,973,731	10/26/1999	Schwab
		US-5,894,521	04/13/1999	Conley
		US-5,905,800	05/18/1999	Moskowitz et al.
		US-5,963,909	10/05/1999	Warren et al.
		US-5,974,141	10/26/1999	Saito
		US-5,999,217	12/07/1999	Berners-Lee
		US-6,041,316	03/21/2000	Allen
		US-6,081,251	06/27/2000	Sakai et al.
		US-6,278,780	08/21/2001	Shimada
		US-6,301,663	10/09/2001	Kato et al.
		US-6,240,121	05/29/2001	Senoh
		US-		
		US-		

FOREIGN PATENT DOCUMENTS

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10/602,777

June 25, 2003

Scott A. MOSKOWITZ
2132Laurel L. LASHLEY
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	US-5,634,040		05/27/1997	Her et al.	
	US-6,381,747		04/30/2002	Wonfor et al.	
	US-4,969,204		11/06/1990	Melnichuk et al.	
	US-6,966,002		11/15/2005	Torubia-Saez	
	US-6,263,313		07/17/2001	Milstead, et al.	
	US-7,093,295		08/15/2006	Saito	
	US-6,587,837		07/01/2003	Spagna et al.	
	US-6,931,534		08/16/2005	Jandet et al.	
	US-2004/0049695		03/11/2004	Choi et al.	
	US-2004/0083369		07/25/2003	Erlingsson et al.	
	US-5,677,952		10/14/1997	Blakey et al.	
	US-5,768,396		06/16/1998	Sone	
	US-7,266,697		09/04/2007	Kirovski et al.	
	US-5,136,646		08/04/1992	Haber et al.	
	US-5,136,647		08/04/1992	Haber et al.	
	US-7,206,649		04/17/2007	Kirovski et al.	
	US-6,532,284		03/11/2003	Walker et al.	
	US-7,020,285		03/28/2006	Kirovski et al.	

FOREIGN PATENT DOCUMENTS

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J. O. J.		Number-Kind Code ² (if known)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US- 7,046,808		05/12/2006	Melots et al.
	US- 6,430,301		08/06/2002	Petrovic
	US- 2004/0059918		03/25/2004	Xu
	US- 6,345,100		02/05/2002	Levine
	US- 2004/0093521		05/13/2004	Hamadeh et al.
	US- 2007/0083467		04/12/2007	Lindahl et al.
	US- 7,231,524		06/12/2007	Burns
	US- 2005/0246554		11/03/2005	Batson
	US- 6,668,325		02/23/2003	Colberg et al.
	US- 7,050,396		05/23/2006	Cohen et al.
	US- 6,842,862		01/11/2005	Chow et al.
	US- 7,051,208		05/23/2006	Venkatesan et al.
	US- 7,240,210		07/03/2007	Michal et al.
V	US- 7,150,003		12/12/2006	Naumovich et al.
	US- 6,389,538		05/14/2002	Gruse et al.
	US- 5,513,126		04/30/1996	Harkins et al.
	US- 5,657,461		08/12/1997	Harkins et al.
	US- 4,390,898		06/28/1983	Bond et al.
	US- 5,471,533		11/28/1995	Wang et al.

FOREIGN PATENT DOCUMENTS

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10/602,777

June 25, 2003

Scott A. MOSKOWITZ

2132

Laurel L. LASHLEY

80391.0003

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

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of

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Application Number	10/602,777
Filing Date	June 25, 2003
First Named Inventor	Scott A. MOSKOWITZ
Art Unit	2132
Examiner Name	Laurel L. LASHLEY
Attorney Docket Number	80391.0003

U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number + Kind Code ² (if known)		
/I.O./	US-	6,044,471	03/28/2000	Colvin
	US-	7,103,184	09/05/2006	Jian
	US-	7,233,669	06/19/2007	Candelore
	US-	6,446,211	09/03/2002	Colvin
	US-	6,484,264	11/19/2002	Colvin
	US-	6,502,195	12/31/2002	Colvin
	US-	6,785,825	08/31/2004	Colvin
	US-	6,792,548	09/14/2004	Colvin
	US-	6,792,549	09/14/2004	Colvin
	US-	6,795,925	09/21/2004	Colvin
	US-	6,799,277	09/28/2004	Colvin
	US-	6,813,717	11/02/2004	Colvin
	US-	6,813,718	11/02/2004	Colvin
	US-	6,857,078	02/15/2005	Colvin
	US-	6,986,063	01/10/2006	Colvin
	US-	2004/0117628	06/17/2004	Colvin
	US-	2004/0117664	06/17/2004	Colvin
	US-	2004/0225894	11/11/2004	Colvin
	US-	7,177,430	02/13/2007	Kim

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³ + Number + Kind Code ⁴ (if known)		

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NON PATENT LITERATURE DOCUMENTS

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/I.O./		Schneier, Bruce, Applied Cryptography, 2nd Ed., John Wiley & Sons, pp. 9-10, 1996	
		Menezes, Alfred J., Handbook of Applied Cryptography, CRC Press, p. 46, 1997	
		Merriam-Webster's Collegiate Dictionary, 10th Ed., Merriam Webster, Inc., p.207	
		Brealy, et al., Principles of Corporate Finance, "Appendix A-Using Option Valuation Models", 1984, pp. 448-449	
		Copeland, et al., Real Options:A Practitioner's Guide, 2001 pp. 106-107, 201-202, 204-208.	
		Sarkar, M. "An Assessment of Pricing Mechanisms for the Internet-A Regulatory Imperative", presented MIT Workshop on Internet Economics, Mar. 1995 http://www.press.vmiich.edu/en/works/SarkAsses.html	
		Crawford, D.W. "Pricing Network Usage:A Market for Bandwidth of Market Communication?" presented MIT Workshop on Internet Economics, Mar. 1995 http://www.press.vmiich.edu/en/works/CrawMarket.html on March	
		LOW, S.H., "Equilibrium Allocation and Pricing of Variable Resources Among User-Suppliers", 1988. http://www.citesear.nj.nec.com/366503.html	
		Caronni, Germano, "Assuring Ownership Rights for Digital Images", published proceedings of reliable IT systems, v15 '95, H.H. Bruggemann and W. Gerhardt-Hackel (Ed.) Viewing Publishing Company, Germany 1995	
▼		Zhao, Jian, "A WWW Service to Embed and Prove Digital Copyright Watermarks", Proc. of the european conf. on Multimedia Applications, Services & Techniques in virtual-a-News, Belgium, May 1996	

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/I.O./		Gruhl,Daniel et al., Echo Hiding. In Proceeding of the Workshop on Information Hiding. No. 1174 in Lecture Notes in Computer Science, Cambridge,England (May/June 1996)	
		Oomen,A.W.J. et al., A Variable Bit Rate Buried Data Channel for Compact Disc, J.Audio Eng.Sc.,Vol.43,No.1/2,pp. 23-28 (1995).	
		Ten Kate,W. et al., A New Surround-Stereo-Surround Coding Techniques, J. Audio Eng. Soc., Vol. 40, No. 5, pp. 376-383 (1992)	
		Gerzon, Michael et al., A High Rate Buried Data Channel for Audio CD, presentation notes, Audio Engineering Soc. 94th Convention (1993).	
		Sklar,Bernard, Digital Communications, pp. 601-603 (1988)	
		Jayant, N.S. et al., Digital Coding of Waveforms, Prentice Hall Inc., Englewood Cliffs,NJ, pp. 486-509 (1984)	
		Bender, Walter R. et al., Techniques for Data Hiding, SPIE Int. Soc. Opt. Eng., Vol. 2420, pp. 164-173, 1995.	
		Zhao, Jian et al., Embedding Robust Labels into Images for Copyright Protection, (xp 000571976), pp. 242-251, 1995.	
		Menezes, Alfred J., Handbook of Applied Cryptography, CRC Press, p. 175, 1997.	
↓		Schneier, Bruce, Applied Cryptography, 1st Ed., pp. 67-68, 1994.	

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Examiner Name	2132	
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	80391.0003	
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/I.O./		Tirkel,A.Z., A Two-Dimensional Digital Watermark, DICTA '95, Univ. of Queensland, Brisbane, Dec. 5-8,1995, pp. 7	
		Tirkel,A.Z., Image Watermarking-A Spread Spectrum Application, ISSSTA '96, Sept.96, Mainz, German, pp. 6.	
		O'Ruanaidh, et al. Watermarking Digital Images for Copyright Protection, IEEE Proceedings, Vol. 143, No. 4, Aug. 96, pp. 250-256.	
		Cox, et al., Secure Spread Spectrum Watermarking for Multimedia, NEC Research Institute, Techinal Report 95-10, pp. 33	
		Kahn, D., The Code Breakers, The MacMillan Company, 1969, pp. xiii, 81-83,513,515,522-526,863.	
		Boney, et al., Digital Watermarks for Audio Signals, EVSIPCO, 96, pp. 473-480.	
		Dept. of Electrical Engineering, Del Ft University of Technology, Del Ft The Netherlands,Cr.C. Langelaar et al.,Copy Protection for Multimedi Data based on Labeling Techniques, July 1996 9 pp	
		F. Hartung, et al., Digital Watermarking of Raw and Compressed Video, SPIE Vol. 2952, pp. 205-213.	
		Craver, et al., Can Invisible Watermarks Resolve Rightful Ownerships? IBM Research Report, RC 20509 (July 25,1996) 21 pp.	
▼		Press, et al., Numerical Recipes In C, Cambridge Univ. Press, 1988, pp. 398-417.	

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Scott A. MOSKOWITZ

Art Unit

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I.O.J		Pohlmann, Ken C., Principles of Digital Audio, 3rd Ed., 1995, pp. 32-37, 40-48,138,147-149,332,333,364, 499-501,508-509,564-571.	
		Pohlmann, Ken C., Principles of Digital Audio, 2nd Ed., 1991, pp. 1-9,19-25,30-33,41-48,54-57,86-107,375-387.	
		Schneier, Bruce, Applied Cryptography, John Wiley & Sons, inc. , New York,1994, pp. 68,69,387-392,1-57,273-275,321-324.	
		Boney, et al., Digital Watermarks for Audio Signals, Proceedings of the International Conf. on Multimedia Computing and Systems, June 17-23,1996 Hiroshima, Japan 0-8186-7436-9196, pp. 473-480.	
		Johnson, et al., Transform Permutated Watermarking for Copyright Protection of Digital Video, IEEE Globecom 1998, Nov 8-12,1998, New York, New York, Vol. 2 1998, pp. 684-689.(ISBN 0-7803-4985-7)	
		Rivest, et al., "Pay Word and Micromint: Two Simple Micropayment Schemes," MIT Laboratory for Computer Science, Cambridge, MA, May 7 1996, pp. 1-18.	
		Bender, et al., Techniques for Data Hiding, IBM Systems Journal, Vol. 35, Nos 3 & 4,1996,pp. 313-336.	
		Moskowitz, Bandwith as Currency, IEEE Multimedia, Jan-Mar 2003, pp. 14-21.	
↓		Moskowitz, Multimedia Security Technologies for Digital Rights Management, 2006, Academic Press, "Introduction-Digital Rights Management" pp. 3-22	

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		Moskowitz, "What is Acceptable Quality in the Application of Digital Watermarking: Trade-offs of Security, Robustness and Quality", <u>IEEE Computer Society, Proceedings of ITCC 2002 April 10, 2002 pp 80-84</u>	
		Lemma, et al. "Secure Watermark Embedding through Partial Encryption", <u>International Workshop on Digital Watermarking ("IWDW" 2006) Springer Lecture Notes in Computer Science 2006 (to appear) 13</u>	
		Kocher, et al., "Self Protecting Digital Content", Technical Report from the CRI Content Security Research Initiative, Cryptography Research, Inc. 2002-2003. 14 pages.	
		Sirbu, M. et al., "Net Bill: An Internet Commerce System Optimized for Network Delivered Services", <u>Digest of Papers of the Computer Society Computer Conference (Spring) 5 March 1995 pp. 20-25 vol. CONF40</u>	
		Schunter, M. et al., "A Status Report on the SEMPER framework for Secure Electronic Commerce", <u>Computer Networks and ISDN Systems, 30 Sent 1998 pp. 1501-1510 Vol. 30 No. 16-18 NI North Holland</u>	
		Konrad, K. et al., "Trust and Electronic Commerce-more than a technical problem," <u>Proceedings of the 18th IEEE Symposium on Reliable Distributed Systems 19-22 October 1999 pp. 360-365 Lausanne</u>	
		Kini, a. et al., "Trust in Electronic Commerce: Definition and Theoretical Considerations", <u>Proceedings of the 31st Hawaii Int'l Conf on System Sciences (Cat. No. 98TB100216) 6-9 January 1998 pp. 51-61 Los</u>	
		Steinauer D. D., et al., "Trust and Traceability in Electronic Commerce", <u>Standard View, Sept 1997, pp 118-124, vol. 5 No. 3, ACM, USA</u>	
▼		Hartung, et al. "Multimedia Watermarking Techniques", <u>Proceedings of the IEEE, Special Issue, Identification & Protection of Multimedia Information, pp 1079-1107 July 1999 Vol. 87 No. 7 IEEE</u>	

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/I.O./		Rivest,et al., PayWord and MicroMint: Two simple micropayment schemes, MIT Laboratory for Computer Science, Cambridge, MA 02139, April 27,2001, pp. 1-18.	
		Horowitz, et al., The Art of Electronics, 2nd Ed., 1989, pp.7.	
		Delajaille, J.-F., et al. "Digital Watermarking," Proceedings of the SPIE, vol. 2659, Feb 1, 1996, pp. 99-110 (Abstract).	
		Schneider, M., et al. "Robust Content Based Digital Signature for Image Authentication," Proceedings of the International Conference on Image Processing (IC_Lausanne), Sept. 16-19, 1996, pp. 227-230, IEEE ISBN: 2-88875-050-0.	
		Cox, I. J., et al. "Secure Spread Spectrum Watermarking for Multimedia," IEEE Transactions on Image Processing, Vol. 6 No. 12, Dec. 1, 1997, pp. 1673-1686.	
		Wong, Ping Wah. "A Public Key Watermark for Image Verification and Authentication," IEEE International Conference on Image Processing, Vol. 1 Oct. 4-7 1998, pp. 455-459.	
		Fabien A.P. Petitcolas, Ross J. Anderson and Markkus G. Kuhn, "Attacks on Copyright Marking Systems," LNCS, Vol. 1525, April 14-17, 1998, pp. 218-238, ISBN: 3-540-65386-4.	
		Ross Anderson, "Stretching the Limits of Steganography," LNCS, Vol. 1174, May/June 1996, 10 pages, ISBN: 3-540-61996-8.	
		Joseph J.K. O'Ruanaidh and Thierry Pun, "Rotation, Scale and Translation Invariant Digital Image Watermarking", pre-publication, Summer 1997. 4 pages.	
↓		Joseph J.K. O'Ruanaidh and Thierry Pun, "Rotation, Scale and Translation Invariant Digital Image Watermarking", Submitted to Signal Processing, August 21, 1997. 19 pages.	

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/I.O./		Rivest, R., "Chaffing and Winnowing: Confidentiality without Encryption", MIT Lab for Computer Science, http://people.csail.mit.edu/rivest/Chaffing.txt , April 24, 1998, 9 pages
		PortalPlayer, PP5002 digital media management system-on-chip, May 1, 2003, 4 pages.
		VeriDisc, "The Search for a Rational Solution to Digital Rights Management (DRM)", http://64.244.235.240/news/whitepaper/docs/veridisc_white_paper.pdf , 2001, 15 pages.
↓		Cayre, et al., "Kerckhoffs-Based Embedding Security Classes for WOA Data Hiding", IEEE Transactions on Information Forensics and Security, Vol. 3 No. 1, March 2008, 15 pages.

Examiner Signature	/Izunna Okeke/	Date Considered	11/17/2008
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Sheet

10

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Sheet

1

of

2

Application Number	10/602,777
Filing Date	June 25, 2003
First Named Inventor	Scott A. MOSKOWITZ
Art Unit	2132
Examiner Name	Laurel L. LASHLEY 80391.0003
Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/I.O./		PCT International Search Report, completed Sept. 13, 1995; authorized officer Huy D. Vu (PCT/US95/08159) (2 pages)	
		PCT International Search Report, completed June 11, 1996; authorized officer Salvatore Cangialosi (PCT/US96/10257) (4 pages)	
		Supplementary European Search Report, completed Mar. 5, 2004; authorized officer J. Hazel (EP 96 91 9405) (1 page)	
		PCT International Search Report, completed April 4, 1997; authorized officer Bernarr Earl Gregory (PCT/US97/00651) (1 page)	
		PCT International Search Report, completed May 6, 1997; authorized officer Salvatore Cangialosi (PCT/US97/00652) (3 pages)	
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		PCT International Search Report, completed June 30, 2000; authorized officer Paul E. Callahan (PCT/US00/06522) (7 pages)	
		Supplementary European Search Report, completed June 27, 2002; authorized officer M. Schoeyer (EP 00 91 9398) (1 page)	
▼		PCT International Search Report, date of mailing Mar. 15, 2001; authorized officer Marja Brouwers (PCT/US00/18411) (5 pages)	

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PTO/SB/088 (01-08)

Approved for use through 01/31/2008, OMB 0651-0031

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